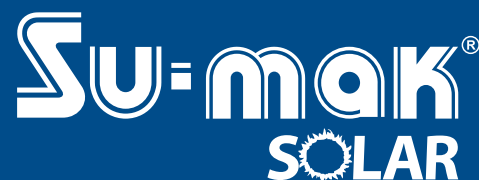


SLC200AH, 12V@C20 DC LEAD CARBON, FAST CHARGE



SLC200AH

range (deep cycle Lead-Carbon) is use function activated carbon and graphene as carbon materials , with heavy strong grids that is made of a different chemical for the plates active paste material and a electrolyte stronger slightly than normal battery electrolyte. It enhances a superior performance of high power output and more than 2000 cycles life at 80%DOD, it is more suitable for application of PSOC.

Applications

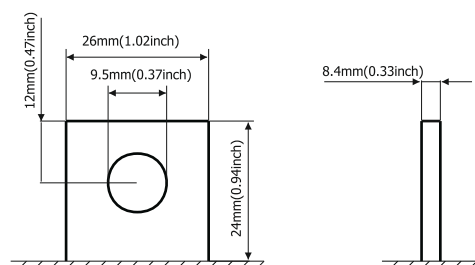
- Solar Power Generation
- Energy Storage System
- Wheel Chair
- Wind Energy Storage System
- Home Energy Storage System
- Smart power & micro-grid System
- Generation and Hybrid Energy
- Medical Equipment
- Distributed Energy Storage System

General Features

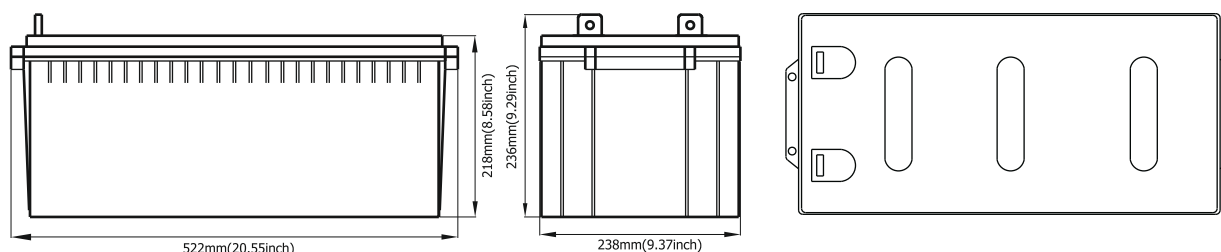
- Better discharge characteristics than normal VRLA batteries.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Construction

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalLead
- SeparatorFiber glass
- ElectrolyteSulfuric acid

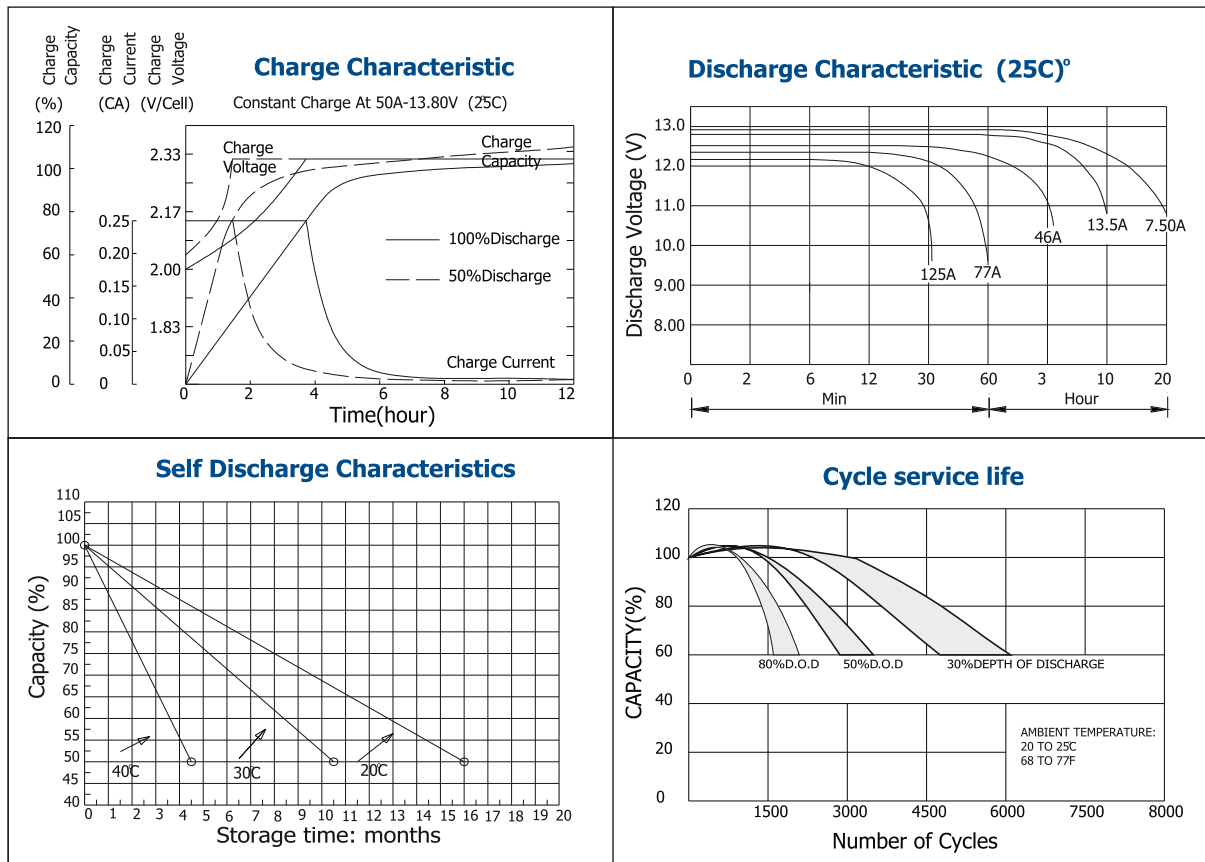
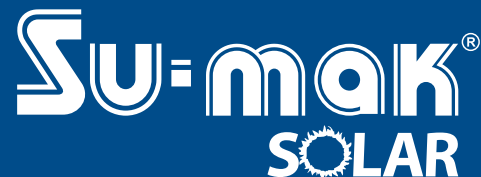


Standard Terminal Dimensions
(Optional terminal please check terminal information page)



Battery Model	SLC200AH			
Designed Cycle Life	> 2000 cycles 80%DOD @ -0.5CA to 9.6V			
Capacity(25°C)	20HR(10.0A,1.75V)	10HR(18.5A,1.75V)	5HR(31.0A,1.75V)	1HR(105A,1.75V)
	200Ah	185Ah	155Ah	105Ah
Dimensions	Length	Width	Height	Total Height
	522mm(20.55inch)	238mm(9.37inch)	218mm(8.58inch)	236mm(9.29inch)
Approx. Weight	62.5kgs (137.5 lbs)			
Internal Resistance	Full charged at 25°C :0.0038 Ohm			
Self Discharge	Self discharge < 3% per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/°C), max. Current: 50A		13.6-13.8(-20mV/°C)	

SLC200AH, 12V@C20 DC LEAD CARBON, FAST CHARGE



Constant current discharge ratings-amperes at 25C°

F.V/Time	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR	48HR	72HR	100HR
1.60V	83	49	36	29	24	16.5	14.5	7.9	34	23	1.69
1.67V	82	48	36	28	24	16.3	14.3	7.8	33	23	1.67
1.70V	80	47	35	28	24	16.1	14.1	7.8	33	22	1.65
1.75V	77	45	34	27	23	15.8	13.9	7.7	32	22	1.62
1.80V	73	43	33	26	22	15.3	13.5	7.5	31	21	1.57
1.85V	67	40	31	25	21	14.6	13.0	7.3	30	21	1.51

Constant power discharge ratings-watts at 25C°

F.V/Time	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR	48HR	72HR
1.60 V	156	92	69	55	47	32	28.5	15.4	6.6	4.5
1.67 V	154	91	69	55	46	32	28.3	15.3	6.5	4.5
1.70 V	151	90	67	54	46	32	27.9	15.1	6.5	4.4
1.75 V	146	87	66	53	45	31	27.4	14.8	6.3	4.3
1.80 V	139	84	63	51	43	30	26.7	14.4	6.2	4.2
1.85 V	130	78	60	48	41	29	25.6	13.9	5.9	4.1